

INFORMATION DISCLOSURE STATEMENT

Applicant	:	Poportun
App. No.	:	Unknown
Filed	:	Herewith
For	:	APPARATUS AND METHOD FOR THE ANALYSIS OF NUCLEIC ACIDS HYBRIDIZATION ON HIGH DENSITY NA CHIPS
Examiner	:	Unknown
Group Art Unit	:	Unknown

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 30 references that are of record in U.S. patent application No. 09/876,298, filed June 7, 2001, which is the parent of this Continuation application, and is relied upon for an earlier filing date under 35 U.S.C. § 120. Copies of the references are not submitted pursuant to 37 C.F.R. § 1.98(d).

This Information Disclosure Statement is being filed with an RCE or within three months of the filing date of this application and no fee is required in accordance with 37 C.F.R. § 1.97(b)(1), (b)(2), or (b)(4).

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: February 6, 2004

By: 

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Registration No. 53,317
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. VIRTP.002DV1C1	APPLICATION NO. Unknown
	APPLICANT Vladimir POPONIN	
	FILING DATE Herewith	GROUP Unknown

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1.	5,244,636	09/14/93	Walt et al.	422	82.07	
	2.	5,629,213	05/1997	Komguth et al.	436	518	
	3.	5,695,940	12/09/97	Dramanc et al.	435	6	
	4.	5,814,516	09/29/98	Vo-Dinh	435	287.2	
	5.	5,821,060	10/13/98	Arlinghaus et al.	435	6	
	6.	5,866,330	02/02/99	Kinzler et al.	435	6	
	7.	5,871,628	02/16/99	Dabiri et al.	204	461	
	8.	5,874,219	02/23/99	Rava et al.	435	6	
	9.	5,905,024	05/18/99	Mirzabekov et al.	435	6	
	10.	5,908,745	06/01/99	Mirzabekov et al.	435	6	
	11.	5,919,626	07/06/99	Shi et al.	435	6	
	12.	5,928,862	07/27/99	Morrison	435	6	
	13.	5,932,711	08/03/99	Boles et al.	536	22.1	
	14.	5,952,174	09/14/99	Nikiforov et al.	435	6	

FOREIGN PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
							YES	NO	
	15.	WO 9705280 A1	02/1997	WO					

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	16.	Adams, M.D., "Expressed Sequence Tags as Tools for Physiology and Genomics," <u>The Institute for Genomic Research</u> , Chapter 10, pp. 71-76.
	17.	Bauer et al., "Microarray based optical biochip with nanometric resolution," <u>Institut für Biochemie und Molekulare Zellbiologie, Universität Wien</u> .
	18.	Bauer et al., "Optical Nanocluster Microchips for Human Diagnostics," <u>Institut für Biochemie und Molekulare Zellbiologie und Ludwig Boltzmann-Forschungsstelle für Biochemie, Universität Wien</u> .
	19.	Bej, A. K., "Nucleic Acid Hybridizations: Principles and Strategies," <u>Nucleic Acid Analysis: Principles and Bioapplications</u> , pp. 1-29 (1996).

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

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	APPLICANT Vladimir POPONIN	
	FILING DATE Herewith	GROUP Unknown

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	20.	Chumanov et al., "Surface Enhanced Raman Scattering for Discovering and Scoring Single Base Differences in DNA," <u>Proceedings SPIE</u> , Vol. 3608 (1999).
	21.	Cotton et al., "Application of Surface-Enhanced Raman Spectroscopy to Biological Systems," <u>Journal of Raman Spectroscopy</u> , Vol. 22, pp. 729-742 (1991).
	22.	Deckert et al., "Near-Field Surface Enhanced Raman Imaging of Dye-Labeled DNA with 100-nm Resolution," <u>Analytical Chemistry</u> , Vol. 70, pp. 2646-2650 (1998).
	23.	Dramanc et al., "Sequencing by Hybridization," <u>Integral Genetics Group, Biological and Medical Research Division, Argonne National Laboratory</u> , Chapter 4, pp. 29-36.
	24.	Emory et al., "Near-Field Surface-Enhanced Raman Spectroscopy on Single Silver Nanoparticles," <u>Anal. Chem.</u> , Vol. 69, pp. 2631-2635 (1997).
	25.	Guschin et al., "Manual Manufacturing of Oligonucleotide, DNA, and Protein Microchips," <u>Analytical Biochemistry</u> , Vol. 250, pp. 203-211 (1997).
	26.	Kneipp et al., "Single Molecule Detection Using Surface-Enhanced Raman Scattering (SERS)," <u>The American Physical Society</u> , Vol. 78, No. 9 (1997).
	27.	Kneipp et al., "Surface Enhanced Raman Spectroscopy on Nucleic Acids and Related Compounds Adsorbed on Colloidal Silver Particles," <u>Journal of Molecular Structure</u> , Vol. 244, pp. 183-192 (1991).
	28.	Martin-Gallardo et al., "Shotgun Sequencing," <u>Human Genome Center, Biology and Biotechnology Program, Lawrence Livermore National Laboratory</u> , Chapter 5, pp. 37-41.
	29.	Thomas, G. J., Jr., "Raman Spectroscopy of Protein and Nucleic Acid Assemblies," <u>Annu. Rev. Biophys. Biomol. Struct.</u> , Vol. 28, pp. 1-27 (1999).
	30.	Vo-Dinh et al., "Surface-Enhanced Raman Gene Probes," <u>Anal. Chem.</u> , Vol. 66, pp. 3379-3383 (1994).

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